

Neil J Perkins

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

7,177
citations

76196

40
h-index

60497

81
g-index

126
all docs

126
docs citations

126
times ranked

12363
citing authors

#	ARTICLE	IF	CITATIONS
1	The Inconsistency of "Optimal" Cutpoints Obtained using Two Criteria based on the Receiver Operating Characteristic Curve. <i>American Journal of Epidemiology</i> , 2006, 163, 670-675.	1.6	1,354
2	Optimal Cut-point and Its Corresponding Youden Index to Discriminate Individuals Using Pooled Blood Samples. <i>Epidemiology</i> , 2005, 16, 73-81.	1.2	938
3	Youden Index and Optimal Cut-Point Estimated from Observations Affected by a Lower Limit of Detection. <i>Biometrical Journal</i> , 2008, 50, 419-430.	0.6	816
4	The Youden Index and the Optimal Cut-Point Corrected for Measurement Error. <i>Biometrical Journal</i> , 2005, 47, 428-441.	0.6	196
5	Preconception low-dose aspirin and pregnancy outcomes: results from the EAGeR randomised trial. <i>Lancet</i> , The, 2014, 384, 29-36.	6.3	172
6	Principled Approaches to Missing Data in Epidemiologic Studies. <i>American Journal of Epidemiology</i> , 2018, 187, 568-575.	1.6	169
7	Multiple Imputation for Incomplete Data in Epidemiologic Studies. <i>American Journal of Epidemiology</i> , 2018, 187, 576-584.	1.6	143
8	Endogenous Reproductive Hormones and C-reactive Protein Across the Menstrual Cycle: The BioCycle Study. <i>American Journal of Epidemiology</i> , 2012, 175, 423-431.	1.6	127
9	Effect of daily fiber intake on reproductive function: the BioCycle Study. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1061-1069.	2.2	116
10	Quantification of collider-stratification bias and the birthweight paradox. <i>Paediatric and Perinatal Epidemiology</i> , 2009, 23, 394-402.	0.8	103
11	Effect of Folic Acid and Zinc Supplementation in Men on Semen Quality and Live Birth Among Couples Undergoing Infertility Treatment. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 35.	3.8	103
12	Subclinical Hypothyroidism and Thyroid Autoimmunity Are Not Associated With Fecundity, Pregnancy Loss, or Live Birth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2358-2365.	1.8	102
13	A Randomised Trial to Evaluate the Effects of Low-dose Aspirin in Gestation and Reproduction: Design and Baseline Characteristics. <i>Paediatric and Perinatal Epidemiology</i> , 2013, 27, 598-609.	0.8	94
14	Serum uric acid in relation to endogenous reproductive hormones during the menstrual cycle: findings from the BioCycle study. <i>Human Reproduction</i> , 2013, 28, 1853-1862.	0.4	92
15	Confidence Intervals for the Youden Index and Corresponding Optimal Cut-Point. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2007, 36, 549-563.	0.6	83
16	The effect of a very short interpregnancy interval and pregnancy outcomes following a previous pregnancy loss. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 212, 375.e1-375.e11.	0.7	80
17	Perceived Stress, Reproductive Hormones, and Ovulatory Function. <i>Epidemiology</i> , 2015, 26, 177-184.	1.2	80
18	The Utility of Menstrual Cycle Length as an Indicator of Cumulative Hormonal Exposure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1871-E1879.	1.8	73

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19	Menstrual Bleeding Patterns Among Regularly Menstruating Women. <i>American Journal of Epidemiology</i> , 2012, 175, 536-545.	1.6	71
20	Changes in macronutrient, micronutrient, and food group intakes throughout the menstrual cycle in healthy, premenopausal women. <i>European Journal of Nutrition</i> , 2016, 55, 1181-1188.	1.8	67
21	Dietary fat intake and reproductive hormone concentrations and ovulation in regularly menstruating women. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 868-877.	2.2	65
22	Association of preconception serum 25-hydroxyvitamin D concentrations with livebirth and pregnancy loss: a prospective cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 725-732.	5.5	65
23	Exposure to bisphenol A, chlorophenols, benzophenones, and parabens in relation to reproductive hormones in healthy women: A chemical mixture approach. <i>Environment International</i> , 2018, 120, 137-144.	4.8	65
24	Evaluation of observation-fused regional air quality model results for population air pollution exposure estimation. <i>Science of the Total Environment</i> , 2014, 485-486, 563-574.	3.9	61
25	Kidney Biomarkers Associated with Blood Lead, Mercury, and Cadmium in Premenopausal Women: A Prospective Cohort Study. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 119-131.	1.1	61
26	Collinearity and Causal Diagrams. <i>Epidemiology</i> , 2017, 28, 47-53.	1.2	61
27	Luteal Phase Deficiency in Regularly Menstruating Women: Prevalence and Overlap in Identification Based on Clinical and Biochemical Diagnostic Criteria. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1007-E1014.	1.8	57
28	A Longitudinal Study of Serum Lipoproteins in Relation to Endogenous Reproductive Hormones during the Menstrual Cycle: Findings from the BioCycle Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, E80-E85.	1.8	56
29	Whole Grains Are Associated with Serum Concentrations of High Sensitivity C-Reactive Protein among Premenopausal Women. <i>Journal of Nutrition</i> , 2010, 140, 1669-1676.	1.3	51
30	Influence of Endogenous Reproductive Hormones on F2-Isoprostane Levels in Premenopausal Women: The BioCycle Study. <i>American Journal of Epidemiology</i> , 2010, 172, 430-439.	1.6	51
31	Adherence to a Mediterranean diet and plasma concentrations of lipid peroxidation in premenopausal women. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 1461-1467.	2.2	50
32	Association of Nausea and Vomiting During Pregnancy With Pregnancy Loss. <i>JAMA Internal Medicine</i> , 2016, 176, 1621.	2.6	49
33	Expanded findings from a randomized controlled trial of preconception low-dose aspirin and pregnancy loss. <i>Human Reproduction</i> , 2016, 31, 657-665.	0.4	49
34	Effectiveness of motor learning coaching in children with cerebral palsy: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2010, 24, 1009-1020.	1.0	47
35	Receiver Operating Characteristic Curve Inference from a Sample with a Limit of Detection. <i>American Journal of Epidemiology</i> , 2006, 165, 325-333.	1.6	46
36	The Impact of Dietary Folate Intake on Reproductive Function in Premenopausal Women: A Prospective Cohort Study. <i>PLoS ONE</i> , 2012, 7, e46276.	1.1	45

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37	Serum Antioxidants Are Associated with Serum Reproductive Hormones and Ovulation among Healthy Women. <i>Journal of Nutrition</i> , 2016, 146, 98-106.	1.3	45
38	Variability and exposure classification of urinary phenol and paraben metabolite concentrations in reproductive-aged women. <i>Environmental Research</i> , 2016, 151, 513-520.	3.7	44
39	Complications and Safety of Preconception Low-Dose Aspirin Among Women With Prior Pregnancy Losses. <i>Obstetrics and Gynecology</i> , 2016, 127, 689-698.	1.2	43
40	Self-Report of Fruit and Vegetable Intake that Meets the 5 A Day Recommendation Is Associated with Reduced Levels of Oxidative Stress Biomarkers and Increased Levels of Antioxidant Defense in Premenopausal Women. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2013, 113, 776-785.	0.4	42
41	Preconception Low-Dose Aspirin Restores Diminished Pregnancy and Live Birth Rates in Women With Low-Grade Inflammation: A Secondary Analysis of a Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1495-1504.	1.8	40
42	Low-Dose Aspirin and Preterm Birth. <i>Obstetrics and Gynecology</i> , 2015, 125, 876-884.	1.2	36
43	Urinary cytokine and chemokine profiles across the menstrual cycle in healthy reproductive-aged women. <i>Fertility and Sterility</i> , 2014, 101, 1383-1391.e2.	0.5	35
44	Preconception Blood Pressure and Its Change Into Early Pregnancy. <i>Hypertension</i> , 2020, 76, 922-929.	1.3	34
45	Serum leptin levels and reproductive function during the menstrual cycle. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 210, 248.e1-248.e9.	0.7	33
46	Preconception Blood Pressure Levels and Reproductive Outcomes in a Prospective Cohort of Women Attempting Pregnancy. <i>Hypertension</i> , 2018, 71, 904-910.	1.3	32
47	Alcohol intake, reproductive hormones, and menstrual cycle function: a prospective cohort study. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 933-942.	2.2	31
48	Treatment of Batch in the Detection, Calibration, and Quantification of Immunoassays in Large-scale Epidemiologic Studies. <i>Epidemiology</i> , 2010, 21, S44-S50.	1.2	30
49	Preconception maternal lipoprotein levels in relation to fecundability. <i>Human Reproduction</i> , 2017, 32, 1055-1063.	0.4	30
50	Thyroid-stimulating hormone, anti-thyroid antibodies, and pregnancy outcomes. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 697.e1-697.e7.	0.7	30
51	Inverse-Probability-Weighted Estimation for Monotone and Nonmonotone Missing Data. <i>American Journal of Epidemiology</i> , 2018, 187, 585-591.	1.6	30
52	Increased Androgen, Anti-Müllerian Hormone, and Sporadic Anovulation in Healthy, Eumenorrheic Women: A Mild PCOS-Like Phenotype?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2208-2216.	1.8	29
53	Sexual activity, endogenous reproductive hormones and ovulation in premenopausal women. <i>Hormones and Behavior</i> , 2014, 66, 330-338.	1.0	29
54	The effect of physical activity across the menstrual cycle on reproductive function. <i>Annals of Epidemiology</i> , 2014, 24, 127-134.	0.9	29

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55	Hybrid pooled/unpooled design for cost-efficient measurement of biomarkers. <i>Statistics in Medicine</i> , 2010, 29, 597-613.	0.8	28
56	Ovarian function and cigarette smoking. <i>Paediatric and Perinatal Epidemiology</i> , 2010, 24, 433-440.	0.8	28
57	Realignment and multiple imputation of longitudinal data: an application to menstrual cycle data. <i>Paediatric and Perinatal Epidemiology</i> , 2011, 25, 448-459.	0.8	28
58	Validation of Different Instruments for Caffeine Measurement Among Premenopausal Women in the BioCycle Study. <i>American Journal of Epidemiology</i> , 2013, 177, 690-699.	1.6	28
59	Preconception Low Dose Aspirin and Time to Pregnancy: Findings From the Effects of Aspirin in Gestation and Reproduction Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1785-1791.	1.8	26
60	Dietary factors and luteal phase deficiency in healthy eumenorrheic women. <i>Human Reproduction</i> , 2015, 30, 1942-1951.	0.4	23
61	Regression for skewed biomarker outcomes subject to pooling. <i>Biometrics</i> , 2014, 70, 202-211.	0.8	22
62	Habitual Dietary Isoflavone Intake Is Associated with Decreased C-Reactive Protein Concentrations among Healthy Premenopausal Women. <i>Journal of Nutrition</i> , 2013, 143, 900-906.	1.3	19
63	Blood lead, cadmium and mercury in relation to homocysteine and C-reactive protein in women of reproductive age: a panel study. <i>Environmental Health</i> , 2017, 16, 84.	1.7	19
64	The Effect of Preconception-Initiated Low-Dose Aspirin on Human Chorionic Gonadotropin-Detected Pregnancy, Pregnancy Loss, and Live Birth. <i>Annals of Internal Medicine</i> , 2021, 174, 595-601.	2.0	18
65	Sex ratio following preconception low-dose aspirin in women with prior pregnancy loss. <i>Journal of Clinical Investigation</i> , 2015, 125, 3619-3626.	3.9	18
66	Relation of Blood Cadmium, Lead, and Mercury Levels to Biomarkers of Lipid Peroxidation in Premenopausal Women. <i>American Journal of Epidemiology</i> , 2012, 175, 645-652.	1.6	17
67	A prospective study of physical activity and fecundability in women with a history of pregnancy loss. <i>Human Reproduction</i> , 2018, 33, 1291-1298.	0.4	17
68	Maternal preconception lipid profile and gestational lipid changes in relation to birthweight outcomes. <i>Scientific Reports</i> , 2020, 10, 1374.	1.6	17
69	Generalized ROC curve inference for a biomarker subject to a limit of detection and measurement error. <i>Statistics in Medicine</i> , 2009, 28, 1841-1860.	0.8	16
70	ROC curve inference for best linear combination of two biomarkers subject to limits of detection. <i>Biometrical Journal</i> , 2011, 53, 464-476.	0.6	15
71	Energy-containing beverages: reproductive hormones and ovarian function in the BioCycle Study. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 621-630.	2.2	15
72	C-Reactive protein in relation to fecundability and anovulation among eumenorrheic women. <i>Fertility and Sterility</i> , 2018, 109, 232-239.e1.	0.5	15

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73	Exposure to Persistent Organic Pollutants and Birth Characteristics. <i>Epidemiology</i> , 2019, 30, S94-S100.	1.2	15
74	Preconception Perceived Stress Is Associated with Reproductive Hormone Levels and Longer Time to Pregnancy. <i>Epidemiology</i> , 2019, 30, S76-S84.	1.2	15
75	Assessment of skewed exposure in case-control studies with pooling. <i>Statistics in Medicine</i> , 2012, 31, 2461-2472.	0.8	14
76	Serum caffeine and paraxanthine concentrations and menstrual cycle function: correlations with beverage intakes and associations with race, reproductive hormones, and anovulation in the BioCycle Study. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 155-163.	2.2	14
77	A highly efficient design strategy for regression with outcome pooling. <i>Statistics in Medicine</i> , 2014, 33, 5028-5040.	0.8	13
78	The relationship between sugar-sweetened beverages and liver enzymes among healthy premenopausal women: a prospective cohort study. <i>European Journal of Nutrition</i> , 2016, 55, 569-576.	1.8	13
79	Platelet activation and placenta-mediated adverse pregnancy outcomes: an ancillary study to the Effects of Aspirin in Gestation and Reproduction trial. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 741.e1-741.e12.	0.7	13
80	Prediction of pregnancy loss by early first trimester ultrasound characteristics. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 242.e1-242.e22.	0.7	13
81	A combined efficient design for biomarker data subject to a limit of detection due to measuring instrument sensitivity. <i>Annals of Applied Statistics</i> , 2011, 5, .	0.5	12
82	Associations Between Preconception Plasma Fatty Acids and Pregnancy Outcomes. <i>Epidemiology</i> , 2019, 30, S37-S46.	1.2	12
83	Low-Dose Aspirin and Sporadic Anovulation in the EAGeR Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 86-92.	1.8	11
84	Serum antioxidant vitamin concentrations and oxidative stress markers associated with symptoms and severity of premenstrual syndrome: a prospective cohort study. <i>BMC Women's Health</i> , 2021, 21, 49.	0.8	11
85	Multivariate Normally Distributed Biomarkers Subject to Limits of Detection and Receiver Operating Characteristic Curve Inference. <i>Academic Radiology</i> , 2013, 20, 838-846.	1.3	10
86	Prevalence and Contributors to Low-Grade Inflammation in Three U.S. Populations of Reproductive Age Women. <i>Paediatric and Perinatal Epidemiology</i> , 2018, 32, 55-67.	0.8	10
87	Vital Status Ascertainment for a Historic Diverse Cohort of U.S. Women. <i>Epidemiology</i> , 2020, 31, 310-316.	1.2	10
88	Usual dietary isoflavone intake and reproductive function across the menstrual cycle. <i>Fertility and Sterility</i> , 2013, 100, 1727-1734.	0.5	9
89	Depressive symptoms and their relationship with endogenous reproductive hormones and sporadic anovulation in premenopausal women. <i>Annals of Epidemiology</i> , 2014, 24, 920-924.	0.9	9
90	Association of testosterone and antimüllerian hormone with time to pregnancy and pregnancy loss in fecund women attempting pregnancy. <i>Fertility and Sterility</i> , 2018, 109, 540-548.e1.	0.5	9

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91	Preconception plasma phospholipid fatty acids and fecundability. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 4501-4510.	1.8	9
92	The role of maternal preconception vitamin D status in human offspring sex ratio. <i>Nature Communications</i> , 2021, 12, 2789.	5.8	8
93	Vaginal bleeding and nausea in early pregnancy as predictors of clinical pregnancy loss. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 570.e1-570.e14.	0.7	7
94	Use of Multiple Assays Subject to Detection Limits With Regression Modeling in Assessing the Relationship Between Exposure and Outcome. <i>Epidemiology</i> , 2010, 21, S35-S43.	1.2	6
95	Recruitment for Longitudinal, Randomised Pregnancy Trials Initiated Preconception: Lessons from the effects of Aspirin in Gestation and Reproduction Trial. <i>Paediatric and Perinatal Epidemiology</i> , 2015, 29, 162-167.	0.8	6
96	Pilot randomized trial of short-term changes in inflammation and lipid levels during and after aspirin and pravastatin therapy. <i>Reproductive Health</i> , 2019, 16, 132.	1.2	6
97	A Randomized Trial to Evaluate the Effects of Folic Acid and Zinc Supplementation on Male Fertility and Livebirth: Design and Baseline Characteristics. <i>American Journal of Epidemiology</i> , 2020, 189, 8-26.	1.6	6
98	Is Opioid Use Safe in Women Trying to Conceive?. <i>Epidemiology</i> , 2020, 31, 844-851.	1.2	6
99	Urinary selective serotonin reuptake inhibitors across critical windows of pregnancy establishment: a prospective cohort study of fecundability and pregnancy loss. <i>Fertility and Sterility</i> , 2020, 114, 1278-1287.	0.5	6
100	Logistic regression with a continuous exposure measured in pools and subject to errors. <i>Statistics in Medicine</i> , 2018, 37, 4007-4021.	0.8	5
101	Metabolic Syndrome and the Effectiveness of Low-dose Aspirin on Reproductive Outcomes. <i>Epidemiology</i> , 2019, 30, 573-581.	1.2	4
102	Sporadic anovulation is not an important determinant of becoming pregnant and time to pregnancy among eumenorrheic women: A simulation study. <i>Paediatric and Perinatal Epidemiology</i> , 2021, 35, 143-152.	0.8	4
103	Case-control data analysis for randomly pooled biomarkers. <i>Biometrical Journal</i> , 2016, 58, 1007-1020.	0.6	3
104	Vitamin D is associated with bioavailability of androgens in eumenorrheic women with prior pregnancy loss. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 218, 608.e1-608.e6.	0.7	3
105	Combining Biomarker Calibration Data to Reduce Measurement Error. <i>Epidemiology</i> , 2019, 30, S3-S9.	1.2	3
106	Low-dose aspirin in reproductive health: effects on menstrual cycle characteristics. <i>Fertility and Sterility</i> , 2020, 114, 1263-1270.	0.5	3
107	Family history of autoimmune disease in relation to time-to-pregnancy, pregnancy loss, and live birth rate. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100059.	2.0	3
108	Physical activity and incidence of subclinical and clinical pregnancy loss: a secondary analysis in the effects of aspirin in gestation and reproduction randomized trial. <i>Fertility and Sterility</i> , 2020, 113, 601-608.e1.	0.5	3

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109	Adiposity is associated with anovulation independent of serum free testosterone: A prospective cohort study. <i>Paediatric and Perinatal Epidemiology</i> , 2021, 35, 174-183.	0.8	3
110	Gamma models for estimating the odds ratio for a skewed biomarker measured in pools and subject to errors. <i>Biostatistics</i> , 2021, 22, 250-265.	0.9	3
111	Circulating Vascular Endothelial Growth Factor and Soluble fms-Like Tyrosine Kinase-1 as Biomarkers for Endometrial Remodeling Across the Menstrual Cycle. <i>Obstetrics and Gynecology</i> , 2021, 137, 82-90.	1.2	3
112	Recalled maternal lifestyle behaviors associated with anti-m μ llerian hormone of adult female offspring. <i>Reproductive Toxicology</i> , 2020, 98, 75-81.	1.3	3
113	Effect of preconception low dose aspirin on pregnancy and live birth according to socioeconomic status: A secondary analysis of a randomized clinical trial. <i>PLoS ONE</i> , 2019, 14, e0200533.	1.1	2
114	Health and wellbeing boards as theatres of accountability: a dramaturgical analysis. <i>Local Government Studies</i> , 2020, , 1-20.	1.6	2
115	Preconception caffeine metabolites, caffeinated beverage intake, and fecundability. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 1227-1236.	2.2	2
116	Patterns and prevalence of medication use across the menstrual cycle among healthy, reproductive aged women. <i>Pharmacoepidemiology and Drug Safety</i> , 2016, 25, 618-627.	0.9	1
117	Shorter Time to Pregnancy With Increasing Preconception Carotene Concentrations Among Women With ≥ 2 Previous Pregnancy Losses. <i>American Journal of Epidemiology</i> , 2018, 187, 1907-1915.	1.6	1
118	A Model-Based Approach to Detection Limits in Studying Environmental Exposures and Human Fecundity. <i>Statistics in Biosciences</i> , 2019, 11, 524-547.	0.6	1
119	Advancing the Health of Populations Across the Life Course. <i>Epidemiology</i> , 2019, 30, S47-S54.	1.2	1
120	A method to visualize a complete sensitivity analysis for loss to follow-up in clinical trials. <i>Contemporary Clinical Trials Communications</i> , 2020, 19, 100586.	0.5	1
121	Low Intake of Vegetable Protein is Associated With Altered Ovulatory Function Among Healthy Women of Reproductive Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e2600-e2612.	1.8	1
122	TWO AUTHORS REPLY. <i>American Journal of Epidemiology</i> , 2016, 184, 554-554.	1.6	0
123	The Safety of Low-Dose Aspirin on the Mode of Delivery: Secondary Analysis of the Effect of Aspirin in Gestation and Reproduction Randomized Controlled Trial. <i>American Journal of Perinatology</i> , 2022, 39, 658-665.	0.6	0
124	Preconception hemoglobin A1c in healthy women is not associated with fecundability or pregnancy loss. <i>F&S Reports</i> , 2022, 3, 39-46.	0.4	0
125	A multistate competing risks framework for preconception prediction of pregnancy outcomes. <i>BMC Medical Research Methodology</i> , 2022, 22, .	1.4	0